

## (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
24 February 2005 (24.02.2005)

PCT

(10) International Publication Number  
**WO 2005/016652 A1**

(51) International Patent Classification<sup>7</sup>: **B41J 3/407**

[KR/KR]; #101. 1328-dong, Mokdongsinsigaji Apt.  
Sinjung-dong, Yangchon-gu., Seoul 158-070 (KR).

(21) International Application Number:  
**PCT/KR2004/002061**

(74) Agent: **CHOI, Duke-Young**; Suite 503, Samyoung Build-  
ing, 604-19 Guro-dong, Gu, Guro-dong, Guro-gu, Seoul  
152-864 (KR).

(22) International Filing Date: 18 August 2004 (18.08.2004)

(25) Filing Language: Korean

(26) Publication Language: English

(30) Priority Data:  
10-2003-0057321 19 August 2003 (19.08.2003) KR

(71) Applicant (for all designated States except US): **TAEIL  
SYSTEMS CO., LTD.** [KR/KR]; 5F. Ace Techno Tower  
40-2, Yangpyeongdong-3-ga, Youngdungpo-gu, Seoul  
150-103 (KR).

(72) Inventor; and

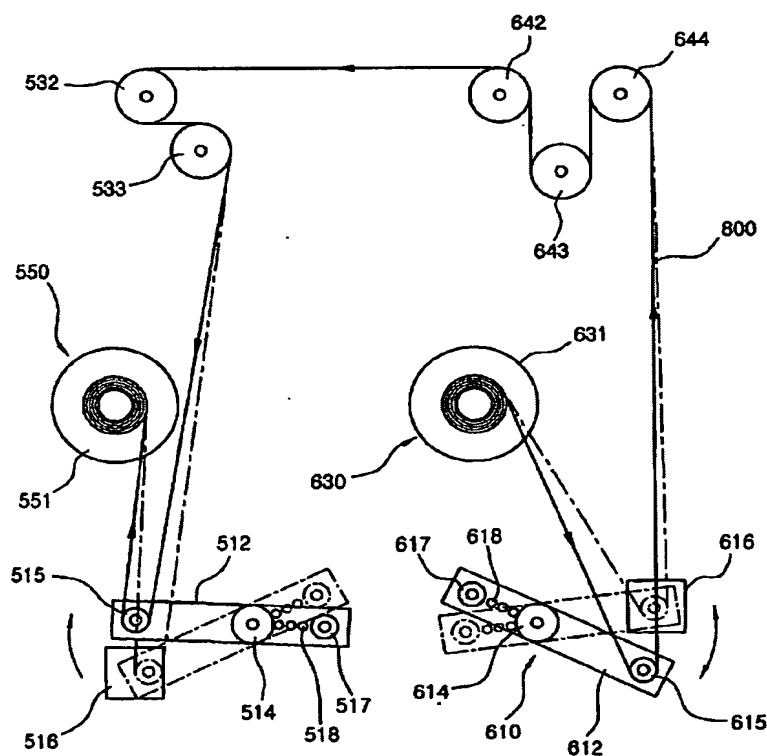
(75) Inventor/Applicant (for US only): **LEE, Gil-Hun**

(81) Designated States (unless otherwise indicated, for every  
kind of national protection available): AE, AG, AL, AM,  
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,  
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,  
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,  
KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG,  
MK, MN, MW, MX, MZ, NA, NL, NO, NZ, OM, PG, PH,  
PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN,  
TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every  
kind of regional protection available): ARIPO (BW, GH,  
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,  
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),

[Continued on next page]

(54) Title: **DIGITAL TEXTILE PRINTER**



(57) Abstract: The present invention discloses a digital textile printer including a front and a rear feeding devices driven by a transfer axis within a driving panel of the front and the rear of a base to prevent distortion and wrinkle phenomena generating defective printing to perform effectively the textile printing even to the very thin textile fabrics, an ink-retrieving hole along to the transfer axis on the top of the base to collect the residues of the injected ink passing through a printing material to prevent ink from spreading at the printing material, at least one suction pan in the inside of the base to collect easily the residues of the injected ink to hasten dries of ink, and a heater of rubber material in the inside of the front of the base to hasten dries of the printing material passing through the ink-retrieving hole.